

**IN THE CLAIMS:**

Please amend the claims as follows:

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3. (Amended) The motor as claimed in claim 1, characterized in that the leaktight wall of the stator chamber (20) includes a device (40) for compensating for the pressure difference between the inside and the outside of the said chamber.

4. (Amended) The motor as claimed in claim 1, characterized in that the stator electrical windings (7,8) include at least one connection (38) for drawing electrical energy.

5. (Amended) The motor as claimed in claim 1, characterized in that the stator magnetic circuit includes a supplementary electrical winding for drawing electrical energy.

6. (Amended) The motor as claimed in claim 1, characterized in that it further includes an inlet tapping (23) and an outlet tapping (24) which are mounted on the wall of the stator chamber (20) for connecting an external device for cooling a fluid filling the stator chamber (20).

7. (Amended) The motor as claimed in claim 1, characterized in that it further includes a jacket (43) produced from a non-magnetic insulating material which encases the first part (2) of

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the stator magnetic circuit, connected in leaktight fashion to the part (22) produced from non-magnetic insulating material of the wall of the chamber (20) in order to render the said chamber leaktight.

A<sup>2</sup>  
8. (Amended) The motor as claimed in claim 1, characterized  
A<sup>3</sup> in that the bearing (16 and 17), which support the rotational shaft (15) of the rotor (14), are linked mechanically to the second part (10) of the stator magnetic circuit by fixing pieces (41 and 42) made of a non-magnetic and insulating material.